Copyright

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Run
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Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OM protein - protein search, using sw model
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                                                                                                                                                                                                                                           seq length: 0
seq length: 2000000000
A Geneseq 16Dec04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2003s:*
6: geneseqp2003s:*
7: geneseqp2003bs:*
8: geneseqp2004s:*
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Gapop 10.0 ,
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14.237 Million cell updates/sec
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32
                                                                                                                                                                                                                                                                                                                                   2105692 seqs, 386760381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                         HSRSLP 6
geneseqD2000s:*
geneseqD2001s:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	v	4	w	N	_	Regult No.
30	30	30	30	30	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	Score
93.8		93.8	٠				100.0	100.0	•	•	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	•	100.0	100.0	100.0	100.0	100.0	Query
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Aar79068 Mouse Fas	Aar79067 Mouse Fas	Abo71202 Pseudomon	Adk35491 Novel hum		Adj70893 Human hea	Human	Human	Adq39970 Human myo	Adr66990 Human can	Adm67207 Human adi		Aau00385 Cytokine	Aau00388 Cytokine	Aau00387 Cytokine		Adj48911 Oil-assoc	Aaw76411 Human bet	Human	Aam79974 Human pro	Abb11968 Human juv	Adq66566 Novel hum	Abg04731 Novel hum	Aau00378 Beta-c pe	7 Bi	Description

45	44	43	42	41	40	39	38	37	36	35	34	U U	32	31	30	29	28	27	26
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93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
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ABG72369	ABB99797	AAB83921	AAW93972	AAY13461	AA016354	ADN98331	AAR28047	ABG15961	ABG23914	ADJ36253	ADN07589	ADL71818	ADJ63978	AAR88357	AAR79098	AAR77282	ADJ36209	AAR79069	AAB08266 :
Abg72369	Abb99797	Aab83921	Aaw93972	Aay13461	Aao16354	Adn98331	Aar28047	Abg15961	Abg23914	Adj36253	Adn07589	Ad171818	Adj63978	Aar88357	Aar79098	Aar77282	Adj36209	Aar79069	Aab08266
Human Ins	Amino aci	Amino aci	Human IRS	Amino aci	Rat IRSAL	Mouse ins	IRS-1 pro	Novel hum	Novel hum	Self-coal	Human Fas	Human Fas	Human FAS	Mouse Fas	Mouse Fas	Mouse Fas	Self-coal	Mouse Fas	Amino aci

ALIGNMENTS

RESULT 1
AAUUO 347
ID AAUUO 347
AAU AAUU
AAU
AAU AAUU
AXX Bind
XXX Bind
XXX Comm
KW acutt
KW riheu
XXX Key
FH Key
FH Modd
FT M Synthetic. Common Beta chain; Beta-c; binding motif; cancer; therapeutic; acute myeloid leukaemia; AML; inflammatory disease; asthma; rheumatoid arthritis; cell proliferative disease. 04-JUL-2001 15-SEP-1999; 99AU-00002875. 12-JUL-2000; 2000AU-00008733. Key Modified-site Binding motif #1 used in study of receptor binding motifs. AAU00347; AAU00347 standard; peptide; 6 AA. 22-MAR-2001. WO200119847-A1. 15-SEP-2000; 2000WO-AU001118. (MEDV-) MEDVET SCI PTY LTD. (BERN/) BERNDT M C. (first entry) Location/Qualifiers /note= "Optionally phosphorylated"

Guthridge MA, Stomski FC, Lopez

WPI; 2001-244778/25.

New binding motif of a receptor capable of binding to cytoplasmic protein, for use as a tool for treating and preventing cell proliferative diseases such as acute myeloid leukemia and cancer.

Claim 8; Page 60; 101pp; English.

The sequence represents the amino acid sequence of binding motif #1 used in study of a binding motif (I) of a receptor capable of binding a cytoplasmic protein. (I) comprises an amino acid sequence in which at least one amino acid is serine/threonine. An antagonist to the interaction of (I) to a cytoplasmic protein is useful as a cancer therapeutic, especially for preventing or treating leukaemia such as

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RESULT 2
AAU00378
ID AAU0
XX AAU00
XX AAU00
XX AAU0
XX Comm
XW Comm
XW Comm
XW Comm
XW Acut
XX YA Key
FT Mod:
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                                                                         The sequence represents the amino acid sequence of Beta-c peptide #1 used in the study of a binding motif (I) of a receptor capable of binding a cytoplasmic protein. (I) comprises an amino acid sequence in which at least one amino acid is serine/threonine. An antagonist to the interaction of (I) to a cytoplasmic protein is useful as a cancer therapeutic, especially for preventing or treating leukaemia such as acute myeloid leukaemia (AML), and inflammatory diseases e.g., asthma and rheumatoid arthritis, and for preventing functions related to cell activation. The interaction of (I) and cytoplasmic protein is useful as a tool for treating and preventing cell proliferative diseases such as AML
  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                 New binding motif of a receptor capable of binding to cytoplasmic protein, for use as a tool for treating and preventing cell proliferative diseases such as acute myeloid leukemia and cancer.
                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-244778/25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Common Beta chain; Beta-c; binding motif; cancer; therapeutic; acute myeloid leukaemia; AML; inflammatory disease; asthma; rheumatoid arthritis; cell proliferative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             acute myeloid leukaemia (AML), and inflammatory diseases e.g., asthma rheumatoid arthritis, and for preventing functions related to cell activation. The interaction of (I) and cytoplasmic protein is useful tool for treating and preventing cell proliferative diseases such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-SEP-1999; 99AU-00002875
12-JUL-2000; 2000AU-00008733
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(BERN/) BERNDT M C.
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Pred. No.
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1.8e+06;
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AML
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ABSULT 3
ABG04731
ID ABG04731

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Best Local Similarity
   Sequence
                                                                                      patent did not appear in the printed specification, electronic format directly from WIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      diagnostics, for responsible for
                                                                                                                                                   amino acid sequences of the invention. Note: The sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 20; SEQ ID NO 35090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         biodiversity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutation responsible for genetic disorders or other traits and to assess
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23-AUG-2000;
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                                                         ftp.wipo.int/pub/published_pct_sequences
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2000US-00649167.
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Query Match Best Local Similarity

100.0%;

Score Pred.

32; No. DB 11; 4.

Length

46;

11-JAN-2002

(first entry)

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ABB11968
ID ABB1
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ADQ66566
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                                                          RESULT 5
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Best Local S
Matches
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                                                                                                                                                                                                                       The invention relates to 2495 novel polynucleotides (I) and their encoded polypeptides, sequences hybridizing to these nucleotides, sequences encoding partial polypeptides and sequences having 70% or 90% identity to the nucleotide and protein sequences. The nucleotides and polypeptides are useful as disgnostic markers or therapeutic target for the diseases or morbid states. They are also useful for treating osteoporosis, neurological diseases, Alzheimer's diseases, Parkinson's diseases, dementia and various cancers. This sequence corresponds to a protein
            ABB11968;
                                  ABB11968 standard; peptide; 294
                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID NO 3727; 2449pp; English.
                                                                                                                                                                                                                                                                                                                                                         Novel 2495 cDNA, useful for treating osteoporosis, neurological diseases, Alzheimer's diseases, Parkinson's diseases, dementia and various cancers.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Iвоgai Т,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-JAN-2003; 2003JP-00102206.
09-MAY-2003; 2003JP-00131392.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-JAN-2004; 2004EP-00001196
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel human protein sequence
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6; Conserv
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, Isono Y,
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Human juvenile hormone esterase binding protein homologue, SEQ:2338.

Human; cytokine; cell proliferation; cell differentiation; growth factor; haematopoiesis regulation; tissue growth; immunomodulator; activin; inhibin; chemotaxis; chemokinesis; thrombolygis; oncogenesis; proliferation; metastasis; cancer; tumour; haematopoietic disorder; proliferation; metastasis; cancer; tumour; haematopoietic disorder; chronic inflammatory condition; proliferative retinopathy; atherosclerosis; coronary heart disease; arterial ischaemia; bone disorder; osteoporosis; vascular growth disorder; tissue regeneration; wound healing; infection; immune disorder; cell culture; drug screening; gene therapy; antiinflammatory; antiarthritic; haemostatic; antiarteriosclerotic; cytostatic; osteopathic; vasotropic; cardiant; virucide; antibacterial; antifungal; vulnerary; antiulcer.
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Homo sapiens.

)200157188-A2.

UY-AUG-ZUUL.

05-FEB-2001; 2001WO-US003800.

03-FEB-2000; 2000US-00496914. 27-APR-2000; 2000US-00560875.

(HYSE-) HYSEQ INC.

Tang YT, Liu C, Drmanac RT;

WPI; 2001-457740/49 N-PSDB; ABA09212.

Human proteins and DNA encoding sequences useful for preventing, treating or ameliorating a medical condition in a mammalian subject e.g. arthritis and cancer.

Claim 20; Page 288; 1963pp; English.

CC Sequences ABB10381-ABB12330 represent 1350 novel human polypeptides, and CC invention also relates to vectors and recombinant host cells comprising a cullecide of the invention, methods of producing the novel polypeptides, compounds which compounds activities; including cytokine, cell proliferation or cell communomodulatory activity; activin- or inhibin-related activities; themsotatic, thrombotic or thromboty compounds compounds, cancer cell proliferatic, thrombotic or compounds on compounds, cancer cell proliferation or metastasis. Compounds on concept cell proliferation or metastasis. Compounds on concept cell proliferation or metastasis. Compounds on their biological activities, polypeptides and nucleotides of the invention are useful for preventing, treating or ameliorating medical conditions, e.g., by protein or gene therapy. Such conditions include cancers, heamatopoietic disorders (e.g., myeloid or lymphoid cell cancers, heamatopoietic disorders (e.g., osteoporosis), and abnormal compounds of the compounds of the compounds of the compound the com

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RESULT 6
AAM79974
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Best Local S
Matches 6
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27-APR-2000; 2000US-00560875.
20-UUN-2000; 2000US-00598075.
19-UUL-2000; 2000US-00620325.
01-SEP-2000; 2000US-00654936.
15-SEP-2000; 2000US-00653561.
20-CCT-2000; 2000US-00693325.
30-NOV-2000; 2000US-00728422.
The invention relates to polynucleotides (AAK51456-AAK53435) and the encoded polypeptides (AAW18323-AAM80302) that exhibit activity elating to cytokine, cell proliferation or cell differentiation or which may induce production of other cytokines in other cell populations. The polynucleotides and polypeptides are useful in gene therapy, vaccines or peptide therapy. The polypeptides have various cytokine-like activities, e.g. stem cell growth factor activity, haematopoiesis regulating activity, tissue growth factor activity, immunomodulatory activity and activity in activity and may be useful in the diagnosis and/or
                                                                                                                                                   Claim 20;
                                                                                                                                                                    Nucleic acids encoding polypeptides with cytokine-like activities, useful in diagnosis and gene therapy.
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N-PSDB; AAK53107.
                                                                                                                                                                                                                                                              Xue AJ,
                                                                                                                                                                                                                                                                                                                     (HYSE-) HYSEQ INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; cytokine; cell proliferation; cell differentiation; gene therapy; vaccine; peptide therapy; stem cell growth factor; haematopoiesis; tissue growth factor; immunomodulatory; cancer; leukaemia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      manipulate stem cells in culture to give rise to neuroepithelial cells that can be used to augment or replace cells damaged by illness, autoimmune disease or accidental damage. The polypeptides and nucleotides may also be used in the diagnosis of the above conditions, and in drug screening techniques. The present sequence represents a novel human polypeptide of the invention
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Y, Zhao QA,
AJ, Yang Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein SEQ
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                                                                                                                                               Page 400; 6221pp; English.
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QA, Wang D, W,
g Y, Wejhrman
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                factor; immunomodulatory; cancer; l disorder; arthritis; inflammation.
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J, Zhang Goodrich R,
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Pred. No. 72;
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J, Ren F,
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The invention relates to a nucleic acid probe for measuring human gene CC expression, comprising any of the 27,400 fully defined nucleotide CC sequences in the specification, or their complements or fragments, and CC encoding at least 8 amino acids of any of the 6888 amino acid sequences CC fully defined in the specification. The probe is a single exon probe that CC expressed in human cells or tissues. Also included are a spatially-CC expressed in human cells or tissues. Also included are a spatially-CC expressed in human cells or tissues. Also included are a spatially-CC expressed in human cells or the plurality of single exon nucleic acid measuring human CC gene expression (comprising a plurality of single exon nucleic acid CC grobes cited above, where each of the plurality of probes is separately CC and addressably isolatable or amplifiable from the plurality), a single CC exon microarray for measuring human gene expression, a wector comprising the single exon contiguous amino acids of any of the above-mentioned amino acid CC grobe cited above, an ORF-encoded peptide comprising at least 8 CC contiguous amino acids of any of the above-mentioned amino acid sequences (optionally with conservative amino acid substitutions), an isolated antibody that binds specifically to a peptide cited above, comprising the safety of the above-mentioned acid acustomer desiring to measure gene expression, a method of providing to customer desiring to measure gene expression, a method of providing
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ABO58506
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(RANK/) RANK D R.
(HANZ/) HANZEL D K
                                                                                                                                                                                                                                                                                                                                                                                                                  New human genome-derived single exon nucleic acid probes useful for gene expression analysis, for identifying or characterizing alternat splicing events, for assessing genomic alterations or as tools for
                                                                                                                                                                                                                                                                                                                                                                           Claim 45;
                                                                                                                                                                                                                                                                                                                                                                                                              surveying tissues.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human genome derived single exon protein #4740
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              treatment of cancer, leukaemia, nervous system disorders, a inflammation. Note: Records for SEQ ID NO 2110 (AAK55581), (AAK55582) and 3666 (AAM80020) are omitted as the relevant sequence listing were missing at the time of publication
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Pred. No. 72;
); Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      probe; microarray;
alteration.
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RESULT 8
AAW76411
ID AAW7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local :
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                            Screening for compounds useful for preventing or treating asthma - by determining if compounds inhibit binding of the JAK2 protein to e.g. IL-3, IL-5 or GM-CSF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-MAR-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IL-3; IL-5; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human betac cytoplasmic domain amino acid sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW76411 standard; peptide; 433 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 seqdata.uspto.gov/sequence.html?DocID=20030194704
                                                                                                                                                                                                                                                                                                                                         (PHAA ) PHARMACIA & UPJOHN CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Interleukin;
                                                                                                                                                                    1998-532151/45.
DB; AAV61795.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein; cytoplasmic domain; betac subunit; screening; asthma;
rleukin; granulocyte macrophage-colony stimulating factor; GM-CSF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           75
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ilarity 100.0%;
Conservative 0
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                                                                                                                                                                                                                                                                       Kaytes
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "JAK2 activation
9. .17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "BOX 1 region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  note= "BOX 2 region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Ras/MAPK activation domain"
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Pred. No. 93;
Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           domain;
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RESULT 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 6
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producing producing
                          The invention relates to a recombinant DNA construct comprising a promoter functional in plants operably linked to an oil-associated gene. The construct is useful for transgenic plant seed which has in its genome the construct, that is functional in the plant to transcribe the oil-associated gene. The transgenic plant seed grows into a plant having enhanced seed oil as compared to wild type. The construct is useful for producing hybrid maize seed. The transgenic plant seed is useful for
                                                                                                                                                                                                                                                                                                                       Novel recombinant DNA construct comprising a promoter functional in plants operably linked to an oil-associated gene for producing transgenic plant seed.
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                                                                                                                                                                                                                                                              Example 3; SEQ ID NO 915;
                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-142683/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Laurie CC, Ravanello
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(RAVA/)
(SAVA/)
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26-JUN-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   oil-associated gene; transgenic; enhanced seed oil; vegetable oil.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADJ48911 standard; protein; 471
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(ROGE/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) LAURIE C C.
) RAVANELLO M.
) SAVAGE T.
) LEDEAUX J R.
ROGERS J A.
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2002US-0391786P.
2002US-0392018P.
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                                                                                                                                                                                                                                                              22pp; English
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Pred. No. 1.1e+02
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Best Local (
                               Matches
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Best Local S
Matches 6
                                                                                The nucleic acid encoding the human GM-CSF beta-chain is isolated from a cDNA library prepd. from poly(A)+ RNA from TF-1 cells. The high affinity human GM-CSF receptor (Kd < 1 nM) can be used for screening candidate GM-CSF agonists and antagonists e.g. for treating myeloid leukaemias
                                                                     Sequence 897 AA;
                                                                                                                                     Claim 2; Page 15-18; 26pp; English.
                                                                                                                                                       Beta-chain of human granulocyte-macrophage CSF receptor - used for screening agonists and antagonists of human GM-CSF, e.g. for diagnosing myeloid leukaemia.
                                                                                                                                                                                                                                 Hayashida K, Kitamura
                                                                                                                                                                                                                                                    (SCHE ) SCHERING CORP
                                                                                                                                                                                                                                                                        18-JUL-1990;
                                                                                                                                                                                                                                                                                            18-JUL-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence of beta-chain of a stimulating factor (GM-CSF)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence of an oil-associated gene related protein.
                                                                                                                                                                                                     1992-064947/08.
DB; AAQ21453.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              361 HSRSLP 366
1 HSRSLP 6
                              Similarity 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antagonist; myeloid leukaemia; therapy; screening; diagnosis;
yte-macrophage colony stimulating factor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HSRSLP 6
                          100.0%; ilarity 100.0%; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
illarity 100.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AA;
                                                                                                                                                                                                                                                                        90US-00554745
                                                                                                                                                                                                                                                                                          90US-00554745
                                                                                                                                                                                                                                                                                                                                                       346. .34
/label=
                                                                                                                                                                                                                                                                                                                                                                                                       /label= signal
58. .60
                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                           /label= glycosylation
                                                                                                                                                                                                                                                                                                                                                                         label=
                                                                                                                                                                                                                                                                                                                                                                                     . 193
                                                                                                                                                                                                                                Ħ,
                                                                                                                                                                                                                                                                                                                                                     as above
                                                                                                                                                                                                                                                                                                                                                                        as above
                                                                                                                                                                                                                              Miyajima
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human granulocyte-macrophage colony receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             897 AA
                        Score 32; DB 2; I
Pred. No. 2.3e+02;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <u>,,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 32; DB 8; Pred. No. 1.2e+02;
                                                                                                                                                                                                                                Þ
                                             Length 897;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 471;
                         Indels
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                        0;
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                        Gaps
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밁 S

598 HSRSLP 603

HSRSLP 6

Similarity 6; Conserv

Conservative

0

Length 897; Indels

ç

Gaps

0

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RESULT 11
AAU00387
AX
AAU00387
AX
AAU000
AX
AAU00
AX
AAU00
AX
AAU00
AX
Cytok
KW Cytok
KW thera
KW rheum
KW mutei
AX
Cytok
KW thera
KW wolon
OS Synth
XX
FH Key
FH Misc-
FT Misc-
AX
AX
FF 15-SE
FX 15-SE
FX 115-SE
FX 115-SE
FX 115-SE
FX 12-JU
XX
AX
AX
AX
FF 15-SE
FX 115-SE
FX 11
                Query Match
Best Local S
Matches 6
                                                                                                                                                                                  The sequence represents the amino acid sequence of cytokine receptor common beta chain precursor, CYRB, mutant #4, used in study of a binding component of a receptor capable of binding a cytoplasmic protein (I) of a receptor capable of binding a cytoplasmic protein (I) comprises an amino acid sequence in which at least one amino acid is cytoplasmic protein is useful as a cancer therapeutic, especially for cytoplasmic protein is useful as a cancer therapeutic, especially for cytoplasmic protein gleukaemia such as acute myeloid leukaemia (AML), and inflammatory diseases e.g., asthma and rheumatoid arthritis, and for cytoplasmic protein is useful as a tool for treating and preventing componenting functions related to cell activation. The interaction of (I) componenting functions related to cell activation. The interaction of (I) could problasmic protein is useful as a tool for treating and preventing conditions of could be sequence is not shown in the specification but is derived from the wild-type human common beta chain precursor sequence given in Figure 1 (see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        뭉
                                                                                                                                             Sequence 897 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New binding motif of a receptor capable of binding to cytoplasmic protein, for use as a tool for treating and preventing cell proliferative diseases such as acute myeloid leukemia and cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 10; Page; 101pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-244778/25.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (MEDV-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-SEP-1999; 99AU-00002875
12-JUL-2000; 2000AU-00008733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-SEP-2000; 2000WO-AU001118
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cytokine receptor common beta
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              598 HSRSLP 603
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BERNDT M C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stomski
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                     100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Wild-type Ser substituted by Ala"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 English.
Score 32; DB 4; Le
Pred. No. 2.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lopez AF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   897
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RESULT 13
AAU00385
ID AAU00
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AAU00388
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                                                                                                                  Query Match
Best Local Similarity lov.
"""hes 6; Conservative
                                                                                                                                                                                                                                            The sequence represents the amino acid sequence of cytokine receptor common beta chain precursor, CYRB, mutant #5, used in study of a binding motif (I) of a receptor capable of binding a cytoplasmic protein. (I) comprises an amino acid sequence in which at least one amino acid is serine/threonine. An antagonist to the interaction of (I) to a cytoplasmic protein is useful as a cancer therapeutic, especially for preventing or treating leukaemia such as acute myeloid leukaemia (AML), and inflammatory diseases e.g., asthma and rheumatoid arthritis, and for preventing functions related to cell activation. The interaction of (I) and cytoplasmic protein is useful as a tool for treating and preventing cell proliferative diseases such as AML and cancer. Note: The present equence is not shown in the specification but is derived from the wild-type human common beta chain precursor sequence given in Figure 1 (see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
AAU00385 standard; protein; 897
                                                                                                                                                                                                      Sequence 897 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 10; Page; 101pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New binding motif of a receptor capable of binding to cytoplasmic protein, for use as a tool for treating and preventing cell proliferative diseases such as acute myeloid leukemia and cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-244778/25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Guthridge MA, Stomski FC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-SEP-1999; 99AU-00002875
12-JUL-2000; 2000AU-00008733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-SEP-2000; 2000WO-AU001118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cytokine receptor common beta chain precursor; binding motif; cancer; therapeutic; acute myeloid leukaemia; AML; inflammatory disease; asthm. rheumatoid arthritis; cell proliferative disease; CYRB; human; mutant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cytokine receptor common beta chain precursor, CYRB, mutant #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU00388;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU00388 standard; protein; 897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200119847-A:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MEDV-) MEDVET SCI PTY LTD. (BERN/) BERNDT M C.
                                                                             598
                                                                                                          1 HSRSLP 6
                                                                           HSRSLP 603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "Wild-type Ser substituted by Gly"
                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lopez AF;
                                                                                                                                        0
                                                                                                                                                     Score 32; DB 4; 1
Pred. No. 2.3e+02;
                                                                                                                                        Mismatches
 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ጅ
                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    binding motif; cancer;
                                                                                                                                                                    Length 897;
                                                                                                                                        Indels
                                                                                                                                        0,
                                                                                                                                       Gaps
                                                                                                                                        <u>.</u>
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RESULT 14
AAU00374
ID AAU00
XX
AC AAU00
XX

AAU00374 standard;

protein; 897

8

0

AAU00374

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                                                                                                                                                                The sequence represents the amino acid sequence of cytokine receptor common beta chain precursor, CYRB, mutant #2, used in study of a binding motif (I) of a receptor capable of binding a cytoplasmic protein. (I) comprises an amino acid sequence in which at least one amino acid is serine/threonine. An antagonist to the interaction of (I) to a cytoplasmic protein is useful as a cancer therapeutic, especially for cytoplasmic protein is useful as a cancer therapeutic, especially for preventing or treating leukaemia such as acute myeloid leukaemia (AML), and inflammatory diseases e.g., asthma and rheumatoid arthritis, and for preventing functions related to cell activation. The interaction of (I) and cytoplasmic protein is useful as a tool for treating and preventing cell proliferative diseases such as AML and cancer. Note: The present sequence is not shown in the specification but is derived from the wild-type human common beta chain precursor sequence given in Figure 1 (see AMU00374)
                                                                 Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New binding motif of a receptor capable of binding to cytoplasmic protein, for use as a tool for treating and preventing cell proliferative diseases such as acute myeloid leukemia and cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cytokine receptor common beta chain precursor; binding motif; cancer; therapeutic; acute myeloid leukaemia; AML; inflammatory disease; asthma; rheumatoid arthritis; cell proliferative disease; CYRB; human; mutant;
                                                                                                                                   Sequence 897
                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 2; Page; 101pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-244778/25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Guthridge MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-SEP-2000; 2000WO-AU001118
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cytokine receptor common beta chain precursor,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAU00385;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-SEP-1999; 99AU-00002875.
12-JUL-2000; 2000AU-00008733.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200119847-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (MEDV-) MEDVET SCI
(BERN/) BERNDT M C.
865
                              1 HSRSLP 6
HSRSLP 603
                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (First entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stomski FC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Wild-type RSKPSSP substituted by EFAAAAA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DIY LID
                                                                 100.0%; Score 32; DB 4;
100.0%; Pred. No. 2.3e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                     English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lopez AF;
                                                                                                 DB 4; Length 897;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CYRB, mutant #2
                                                                  0,
                                                                  Gaps
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04-JUL-2001

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RESULT 15
ADM67207
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                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local :
WO2004011618-A2
                           Homo sapiens.
                                                       adipogenesis;
antidiabetic;
                                                                                   human; adipocyte specific; adipose tissue; high mobility group I-C protein; HMGI-C; of
                                                                                                                 Human adipocyte specific CSF 2 receptor beta 1 protein SeqID
                                                                                                                                                        03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                              The sequence represents the amino acid sequence of cytokine receptor common beta chain precursor, CYRB, used in study of a binding motif (I) of a receptor capable of binding a cytoplasmic protein. (I) comprises an amino acid sequence in which at least one amino acid is serine/threonine. An antagonist to the interaction of (I) to a cytoplasmic protein is useful as a cancer therapeutic, especially for preventing or treating leukaemia such as acute myeloid leukaemia (AML), and inflammatory functions related to cell activation. The interaction of (I) and cytoplasmic protein is useful as a tool for treating and preventing cytoplasmic protein is useful as a tool for treating and preventing cell proliferative diseases such as AML and cancer
                                                                                                                                                                                                           ADM67207 standard;
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New binding motif of a receptor capable of binding to cytoplasmic protein, for use as a tool for treating and preventing cell prolidiseases such as acute myeloid leukemia and cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Fig 1; 101pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-244778/25.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-SEP-1999; 99AU-00002875.
12-JUL-2000; 2000AU-00008733.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-SEP-2000; 2000WO-AU001118.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cytokine receptor common beta chain precursor; binding motif; cancer; therapeutic; acute myeloid leukaemia; AML; inflammatory disease; asthma; rheumatoid arthritis; cell proliferative disease; CYRB; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22-MAR-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MEDV-) MEDVET SCI PTY LTD (BERN/) BERNDT M C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200119847-A1.
                                                                                                                                                                                                                                                                                                                                                         Local
                                                                                                                                                                                                                                                                                    598 HSRSLP 603
                                                                                                                                                                                                                                                                                                              1 HSRSLP 6
                                                                                                                                                                                                                                                                                                                                         Similarity 100 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                  897 AA;
                                                                                                                                                     (first entry)
                                              group I-C protein; HMGI-C; obesity; leptin; ob; diabetes; hypertension; cardiovascular disease; anorectic; hypotensive; CSF 2 receptor beta 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Stomski FC,
                                                                                                                                                                                                             protein; 897
                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Common
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             beta chain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lopez
                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                   Score 32; DB 4; ]
Pred. No. 2.3e+02;
); Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           precursor,
                                                                                         anti-obesity;
                                                                                                                                                                                                                                                                                                                                                            Length 897;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CYRB.
                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   proliferative
                                                                                                                                                                                                                                                                                                                                 Gaps
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This invention relates to a novel method for identifying genes that are cover-expressed in adipose tissue and as such it provides targets for antice over-expressed in adipose tissue and as such it provides targets for antice combility group I-C protein (HMGI-C) that is associated with obesity and is epistatic to leptin, furthermore, it refers to the ob gene where an composition gailed the obesity and diabetes. The present protein describes performing differential gene expression analysis confirmed the white adipose tissue (MAT) or stromal vascular tissue (SVT) confirmed two different mice selected from a group consisting of wild-type, confirmed novel nucleotides and the encoded proteins thereof were compositing adipognessis, diagnosing and treating diabetes, obesity, these compositions exhibit anorectic, antidiabetic, obesity. These compositions exhibit anorectic, antidiabetic and confirmed the sectivities. This polypeptide sequence is a human homologue of xxx and a murine adipocyte specific protein sequence is a human homologue of xxx.
         Query Match
Best Local S
Matches 6
                                                                        Sequence 897 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 561; 91pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Identifying adipocyte specific genes, useful for treating obesity or diabetes, and for identifying drug targets, by differential gene expression analysis between adipose tissue or stromal vascular tissue mice of different genotypes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29-JUL-2002;
12-JUN-2003;
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2003US-0478206P.
                       100.0%;
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Score 32; DB 8;
Pred. No. 2.3e+02;
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Search completed: March 12, Job time : 165 gecg time : 165 secs 2005, 09:31:49

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Match Length
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1. /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2. /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfIles1.pep:*
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      HSRSLP 6
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                      GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.
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US-07-960-691-3
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US-08-339-214-20
US-08-339-214-22
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US-08-339-214-32
US-08-319-214-32
US-08-317-310A-15
US-09-903-19-5
US-09-903-248-5
US-09-903-248-5
US-09-903-216-5
US-09-162-184-33
US-09-252-991A-21871
US-09-252-991A-23095
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Sequence 3,
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Sequence 37, App.	Sequence 4, Appl:	Sequence 2, Appl:	Sequence 17, App.	٠	Sequence 15, App.	•	Sequence 17, App.	Sequence 16, App.	•	Sequence 13, App	Sequence 2, Appl:	Sequence 2, Appl:	Sequence 8, Appl:	Sequence 2, Appl:	Sequence 2, Appl:	Sequence 5261, Ap	Sequence 21794, A
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                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 49001
COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/046,158A
                                                                                                                                                                                TELEFAX: 616/833-8897
TELEX: 224401
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 433 amino acids
                                                                                                                                                                                                                                                                                  FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
ATTORNEY DATNIEY Jr., James D.
REGISTRATION NUMBER: 33,673
TELECOMMUNICATION INFORMATION:
TELEPHONE: 616/833-2210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Roberds, Steven L.
APPLICANT: Kaytes, Paul S.
TITLE OF INVENTION: METHOD FOR IDENTIFYING INHIBITORS
TITLE OF INVENTION: JAZZ/CYTOKINE RECEPTOR BINDING
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                                                    STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Pharmacia & Upjohn Co.,
ADDRESSEE: Legal Services
STREET: 301 Henrietta Street
CITY: Kalamazoo
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100.0%; Score 32; Di
ilarity 100.0%; Pred. No. 30
Conservative 0; Mismatches
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APPLICANT: KUBO, HIDEO
APPLICANT: KANDA, AKIRA
TITLE OF INVENTION: REMEDIES FOR DISEASES CAP
FILE REFERENCE: 4895-0019-09CT
CURRENT APPLICATION NUMBER: US/09/508,691
CURRENT FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: PCT/JP98/04293
PRIOR FILING DATE: 1998-09-25
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APPLICANT: YAZAKI, YOSHIO
APPLICANT: ASANO, TOMOICHIRO
APPLICANT: KUBO, HIDEO
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Patent No. 6498139
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Best Local :
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MEDIUM TYPE: Floppy Disc
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System Software 7.1
SOFTWARE: Microsoft Word 5.1a
APPLICATION NUMBER: US/07/960,389
ETILING DATE: 07-JAN-1993
CLASSIFICATION NUMBER: 554,745
APPLICATION NUMBER: 554,745
APPLICATION NUMBER: 57/US 91/04846
APPLICATION NUMBER: PCT/US 91/04846
APPLICATION NUMBER: DCT/US 91/04846
APPLICATION NUMBER: JS/US 91/0484
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US-07-960-389-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
OTHER INFORMATION: Human GM-CSF receptor; Signal Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
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TYPE: amino acid
STRANDEDNESS: single
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TITLE OF INVENTION: Human GM-CSF Receptor Component
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          598 HSRSLP 603
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llarity 100.0%;
Conservative 0
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Microsoft Word 5.1a
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Pred. No.
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RESULT 5
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APPLICANT: MAIC J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-632-287A-6
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APPLICANT: Wooden, Scott K
APPLICANT: Boyle, William J
TITLE OF INVENTION: Fhm, A NO. 6521422el Mem
FILE REFERENCE: 01017/35550A
CURRENT APPLICATION NUMBER: US/09/632,287A
CURRENT FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 60/147,294
PRIOR FILING DATE: 1999-08-04
PRIOR FILING DATE: 1999-08-04
NUMBER OF SEQ 1D NOS: 22
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19948, Application US/09252991A
Patent No. 6551795
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Best Local S
CURRENT APPLICATION NUMBER: US/09/252,991A CURRENT FILING DATE: 199-02-18 PRIOR APPLICATION NUMBER: US 60/074,788 PRIOR FILING DATE: 198-02-18 PRIOR APPLICATION NUMBER: US 60/094,190 PRIOR FILING DATE: 198-07-27 NUMBER OF SEQ ID NOS: 33142
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Watches 5; Conserve
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TYPE: PRT
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PRIOR FILING DATE: 1997-09-29
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin version 3.0
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Mouse
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TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Description of Artificial Sequence:synthetic peptide
NAME/KEY: MOD RES
N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16 HSRSIP 21
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Pred. No.
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Pred. No. 2
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11;
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2.2;
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RESULT 7
US-08-339-214-20
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; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19948
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                                                                                                                                                                                                                                                                                                     US-08-339-214-18
Sequence 20, Application US/0833, Patent No. 6348334
GENERAL INFORMATION:
APPLICANT: Nagata, Shigikazu APPLICANT: Suda, Takashi
                                                                                                                                                                                                      Query Match
Best Local Similarity 83.2
Conservative
                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: MULTPHY Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 1110
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEPAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 137 amino acids
TYPER: maino acids
TYPER: maino acids
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Best Local Similarity 83.3%;
Matches 5; Conservative
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APPLICATION WHERE: US/08/339,214 FILING DATE: 10-NOV-1994 CLASSIFICATION: 435 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Nagata, Shigikazu
APPLICANT: Suda, Takashi
APPLICANT: Takahashi, Tomoniro
APPLICANT: Nakamura, No. 6348334io
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: A Fas Ligand, A Fragment Thereof and DNA TITLE OF INVENTION: Encoding the Same NUMBER OF SEQUENCES: 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: P.O. Box 747
CITY: Falls Church
STATE: Virginia
                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 22040-0747
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                                                                     Application US/08339214
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; Pred. No. 24;
1; Mismatches
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Pred. No. :
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ZIP: 22040-0747

ZIP: 22040-0747

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/339,214
FILING DATE: 10-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MUXPHY Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 1110-139P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TET TENT OF THE TORMATION:
TELEPHONE: 703-205-8000
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
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                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Nagata, Shigikazu
APPLICANT: Suda, Takashi
APPLICANT: Takahashi, Tomoniro
APPLICANT: Nakamura, No. 6348334io
TITLE OF INVENTION: A Fas Ligand, A Fr
TITLE OF INVENTION: Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 20: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acids
TYPE: amino acid
TOPOLOGY: lin-
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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APPLICANT: Nakamura, No. 634833410
TITLE OF INVENTION: A Fas Ligand, A F.
                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 1
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                                                                                                                                            CITY: Falls Church
STATE: Virginia
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STREET: P.O. Box 747
CITY: Falls Church
STATE: Virginia
                                                                                                           COUNTRY: USA
ZIP: 22040-0747
                                                                                                                                                                                     ADDRESSEE: Birch, Stewart, Kolasch & Birch
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APPLICATION NUMBER: US/08/339,214 FILING DATE: 10-NOV-1994

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION: NAME: Murphy Jr., Gerald

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TELEPAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 22
SEQUENCE CHARACTERISTICS:
LENGTH: 179 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                           US-08-339-214-24
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Best Local
                                                     Matches
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                                                                                                                                                                                             TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: :
SEQUENCE CHARACTERISTICS:
LENGTH: 279 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tent No.
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REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 1110-139P
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NAMBER: US/08/339,214
FILING DATE: 10-NOV-1994
CLASSIFICATION: 435
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: A Fas Ligand, A Fragment Thereof and DNA TITLE OF INVENTION: Encoding the Same NUMBER OF SEQUENCES: 103
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Muzphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 1110-139P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Suda,
APPLICANT: Takaha
APPLICANT: Nakamı
                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: 703-205-8000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Nagata,
                                                                                                                                              MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               y Match
Local Similarity 83.3%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Birch, Stewart, Kolasch & Birch
STREET: P.O. Box 747
CITY: Falls Church
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                   Local Similarity tes 5; Conserv
                                                                                                                                                                 TOPOLOGY:
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1 HSRSLP 6
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Nakamura, No. 634833410
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                                                       Conservative
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Takashi
                                                     93.8%; Score 30; DB
83.3%; Pred. No. 52;
tive 1; Mismatches
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                                                                                           DB 3; Length 279;
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US-08-339-214-32
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                                                                                                                                                                                                                 Sequence 5, Application PC/TUS9500362
GENERAL INFORMATION:
APPLICANT: IMMUNEX CORPORATION
                                                                                                                                                                                                                                                                                                                                                                                             93.8%;
Best Local Similarity 83.3%;
Matches 5; Conservative
COUNTRY: US
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple 7.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IEM PC compatible
COMPUTER: PATEN: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/339,214
FILING DATE: 10-NOV-1994
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 1110-139P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: A Fas Ligand, A F. TITLE OF INVENTION: Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Nagata, Shigikazu
APPLICANT: Suda, Takashi
APPLICANT: Takahashi, Tomoni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                   APPLICANT: IMMUNEX CORPORATION TITLE OF INVENTION: Ligand That NUMBER OF SEQUENCES: 5
                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Birch, St. STREET: P.O. Box 747 CITY: Falls Church
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ZIP: 22040-0747
                                                                                                   STATE:
                                                                                                                                    STREET:
                                                                                                                      CITY: Seattle
                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  152 HSRSIP 157
                                                                                                                                                                                                                                                                                                                                           152 HSRSIP 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                           1 HSRSLP 6
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                                                                                                     WA
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Nakamura, No. 634833410
                                                                                                                                        51 University Street
                                                                                                                                                        Immunex Corporation
                                                                                                                                                                                                    Ligand That Binds Fas Antigen
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                                                                                                                                                                                                                                                                                                                                                                                                                              Score 30; DB
Pred. No. 52;
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 amino acid:
TYPE: amino acid:
TYPE: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-094-948A-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-00362-5
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PATENT NO. 5621075
GENERAL INFORMATION:
APPLICANT: Waite, Morris F.
APPLICANT: White, Morris F.
APPLICANT: White, Morris F.
APPLICANT: Rothenberg, Paul Louis
TITLE OF INVENTION: INSULIN RECEPTOR SUBSTRATE
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/179,138
FILING DATE: 07-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/190,559
FILING DATE: 01-FEB-1994
ATTORNEY/AGENT INFORMATION:
                                                                                     NAME: Myers, Louis (PLM)
REGISTRATION NUMBER: 35,965
REFERENCE DOCKET NUMBER: JDP-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPHONE: (617)227-7941
INFORMATION FOR SEQ ID NO: 29:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Anderson, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 28
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                               APPLICATION NUMBER: US/08/094,948/
FILING DATE: 21-UTLY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/643,982
FILING DATE: 18-JAN-1991
ATTORNEY/AGENT INFORMATION:
NUMBER MISSEL OF THE STAN-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Rel
                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

COMPUTER: PC-DOS/MS-DOS

COPTIANTE: PC-TOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Microsoft Word, Version 5.1a CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Application US/08094948A
                                                    1155 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        60 State Street, Suite 510
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                                                                                                                                                                                                                                                                                                                                                     Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                              US/08/094,948A
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; Pred. No. 52;
1; Mismatches
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RESULT 14
US-08-317-310A-15
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Best Local Similarity
Matches 5; Conserv
                                                                    Sequence 15, Application US/08317310A
Patent No. 5858701
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                  Query Match 93.8%;
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMDUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC Compatible
COMPUTER: IEM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09319
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/094,948
FILING DATE: 21-UTLY-1993
APPLICATION NUMBER: US 07/643,982
FILING DATE: 18-JAN-1991
FILING DATE: 18-JAN-1991
FILING DATE: 18-JAN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 29, Application PC/TUS9609319 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY AGENT INFORMATION:
NAME: Myers, Louis (PLM)
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: JDP-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 29:
                APPLICANT: WHITE, MOTRIS F.
APPLICANT: SUN, Xiao Jian
APPLICANT: PIERCE, Jacalyn F
                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 1155 amino aci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Kahn, C. Ronald.
APPLICANT: White, Morris F.
APPLICANT: Rothenberg, Paul Louis
TITLE OF INVENTION: INSULIN RECEPTOR SUBSTRATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Lahive & Cockfield
                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: protein
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDATEST: OF STREET: OF BOSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                            326 HSRSIP 331
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                SUN, Xiao Jian
PIERCE, Jacalyn H.
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THE IRS FAMILY OF GENES
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                                                                                                                                                                                                                                                                                      Score 30; DB 5; Lo
Pred. No. 2.4e+02;
1; Mismatches 0;
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Pred. No. 2.4e+02;
1; Mismatches 0
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                                                                                                                                                                                                                                                                                                                          Length 1155;
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NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIYE & COCKFIELD
STREET: 28 State Street

STREET: 28 State Stre CITY: Boston STATE: Massachusetts

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RESULT 15
PCT-US95-13041-15
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ZIP: 02109
COMPUTER READABLE FORM:
MEDIDM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/317,310A
FILING DATE: 03-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: LOUIS MYGER: 35,965
REFERENCE/DOCKET NUMBER: JDP-022
TELECOMMUNICATION: THORMATION:
TELEFAX: (617)227-7400
TELEFAX: (617)227-740
TELEFAX: (617)227-740
TELEFAX: (617)227-740
TELEFAX: (617)227-740
TELEFAX: (617)227-740
TELEFAX: 134 amino acids
TYPE: amino acids
TYPE: mino acids
TYPE: TYPE: peptide
FRAGMENT TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-317-310A-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 15, Application PC/TUS9513041
GENERAL INFORMATION:
APPLICANT: WHITE, Morris F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 93.8%;
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION UNUBER: PCT/US95/1304:
PILING DATE: Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/317,310
PILING DATE: 03-OCT-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: SUN, Xiao Jian
APPLICANT: PIERCE, Jacalyn H.
TITLE OF INVENTION: THE IRS FAMILY OF GENES
NUMBER OF SEQUENCES: 63
NAME: Louis Myers
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: JDP-022PC
                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 02109-1875
                                                                                                                                                                                                                                                                                                                                                                                               CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        366 HSRSIP 371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 HSRSLP 6
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                                                                                                                                                                        PCT/US95/13041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 30; DB 2; Length 1234; Pred. No. 2.6e+02; 1; Mismatches 0; Indels
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEPAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 1234 amino acids
TYPE: amino acids
TYPE: mino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
PCT-US95-13041-15

Query Match
Best Local Similarity 83.3%; pred. No. 2.6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0;
Matches 5; Conservative 1; Mismatches 0; Indels 0;
Search completed: March 12, 2005, 09:36:23
Job time: 42 secs
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Gaps

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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Database
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                               Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          seq length: 0
seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Published Applications AA:*

1: /cgn2=6/ptodata/1/pubpaa/US07 PUBCOMB.pep:*

2: /cgn2-6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

3: /cgn2-6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

4: /cgn2-6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

5: /cgn2-6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

6: /cgn2-6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

7: /cgn2-6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*

9: /cgn2-6/ptodata/1/pubpaa/US08 PUBCOMB.pep:*

9: /cgn2-6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

10: /cgn2-6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

11: /cgn2-6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

12: /cgn2-6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

13: /cgn2-6/ptodata/1/pubpaa/US09 PUBCOMB.pep:*

14: /cgn2-6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

15: /cgn2-6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

16: /cgn2-6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

16: /cgn2-6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

17: /cgn2-6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

18: /cgn2-6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

19: /cgn2-6/ptodata/1/pubpaa/US10B_PUB.pep:*

19: /cgn2-6/ptodata/1/pubpaa/US10B_PUB.pep:*

19: /cgn2-6/ptodata/1/pubpaa/US10B_PUB.pep:*

19: /cgn2-6/ptodata/1/pubpaa/US10B_PUB.pep:*
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Match Length
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                 3 US-10-099-895-4

US-10-099-895-31

3 US-10-099-895-39

US-10-099-895-39

US-10-425-114-61894

US-10-437-701-37000

US-10-437-953-113805

US-10-276-774-2338

US-10-29-386-32140

US-10-389-566-915

US-10-389-566-915
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                                                                                                                                                                                                                                                                                             Description
                   Sequence 4, Appli
Sequence 31, Appl
Sequence 35, Appl
Sequence 39, Appl
Sequence 61894, A
Sequence 17800, A
Sequence 113805,
Sequence 2338, Ap
Sequence 2117359,
Sequence 915, Appli
Sequence
Sequence
915, Ap
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1633, A
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US-10-735-512-29	US-10-694-874-1	10-085-027-	-184-	US-09-903-023-5	-199-	US-09-903-216-5	-063-	9-859-604-	-248-	US-10-694-874-3		-10-449-831A	-662-		-10-662-429-	-10-279-687-	0	US-09-873-829-5	US-09-193-663-4	US-08-971-317A-4	US-10-449-831A-156	US-10-424-599-199169	-050	US-10-767-701-55523	-10-437-96	-424-599-2621		-085-	-10-408-	-10-741-600-1	US-10-741-600-1634
Sequence 29, Appl	1, 1	,,	e 5,	5, ,	<u>ب</u>	5	5	'n	'n	w	μ.	20	4, Ar	4,	4	4	'n	•	4,	4, App	Sequence 156, App	Sequence 199169,			Sequence 137779,	Sequence 262192,	Sequence 6, Appli				Sequence 1634, Ap

## ALIGNMENTS

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RESULT 1

US-10-099-895-4

; Sequence 4, Application US/1009895

; Publication No. US20020177166A1

; GENERAL INFORMATION; Michael C
; APPLICANT: BERNOT, Michael C
; APPLICANT: STOMSKI, Frank C
; APPLICANT: LOPEZ, Angel F
; APPLICANT: UCPEZ, Angel F
; APPLICANT: UCPEZ, Angel F
; APPLICANT: MINENT: US/10/099,895

CURRENT FILING DATE: 2002-03-14

PRIOR APPLICATION NUMBER: US/10/099,895

CURRENT FILING DATE: 2000-09-15

VUMBER OF SEQ ID NOS: 47

SOPTWARE: PATENTIN VERSION 3.1

SEQ ID NO 4

LENGTH: 6

JENGTH: 6

GUARY MATCH

Best Local Similarity 100.0%; Score 32; DB 13; Length 6;

Best Local Similarity 100.0%; Pred. No. 1.3e-06;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps

Qy 1 HSRSLP 6

Qy 1 HSRSLP 6

US-10-099-895-31

Sequence 31, Application US/10099895

; Publication No. US20020177166A1
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RESULT 4
US-10-099-895-39
; Sequence 39, Application US/10099895
; Publication No. US20020177166A1
; GENERAL INFORMATION:
; APPLICANT: BERNDT, Michael C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; APPLICANT: GUTHRIDGE, Mark A
; TITLE OF INVENTION: A BINDING MOTIF OF A RECEPTOR
; FILE REFERENCE: 3991/0K379
; CURRENT APPLICATION NUMBER: US/10/099,895
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: PCT/AU00/01118
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 31
; SEQ ID NO 31
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                                                                                                                                                                                                                                       Query Match 100.
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/099,895
CURRENT FILING DATE: 2002-03-14
PRIOR APPLICATION NUMBER: PCT/AU00/01118
PRIOR FILING DATE: 2000-09-15
NUMBER OF SEQ ID NOS: 47
SOFTWARE: Patentin version 3.1
SEQ ID NO 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 35, Application US/10099895
Publication No. US20020177166A1
GENERAL INFORMATION:
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Best Local :
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APPLICANT: STOMSKI, Frank C
APPLICANT: LOPEZ, Angel F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: LOPEZ, Angel F
APPLICANT: GUTHRIDGE, Mark A
TITLE OF INVENTION: A BINDING MOTIF OF A RECEPTOR
FILE REFERENCE: 3991/0K379
                                                                                                                                                                                                                                                                                                               FEATURE:
NAME/KEY: MISC_FEATURE
OTHER INFORMATION: represents residues 581 to 587
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ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC_FEATURE
OTHER INFORMATION: binding motif of a GM-CSF/IL-3/IL-5 receptor at positions 582 to
OTHER INFORMATION: 587
                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
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KI, Frank C
, Angel F
                                                                                                                                                                                                                                     100.0%; Score 32; DB 13; Length 7; 100.0%; Pred. No. 1.3e+06; Live 0; Mismatches 0; Indels
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Pred. No. 1.3e+06;
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APPLICANT: Kovalic, David K.
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Tabaska, Jack E
APPLICANT: Tabaska, Jack E
ITILE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53313)B
CURRENT APPLICATION NUMBER: US/10/425,114
UNMBER OF SEQ ID NOS: 73128
SEQ ID NO 61894
LENGTH: 142
TYPE: ppm
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US-10-767-701-37000
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US-10-425-114-61894
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APPLICANT: LOPEZ, Angel F
APPLICANT: LOPEZ, Angel F
APPLICANT: GUTHRIDGE, Mark A
TITLE OF INVENTION: A BINDING MOTIF OF A RECEPTOR
FILE REFERENCE: 3991/0x379
CURRENT APPLICATION UNMBER: US/10/099,895
CURRENT FILING DATE: 2002-03-14
PRIOR FILING DATE: 2002-09-15
PRIOR APPLICATION NUMBER: PCT/AU00/01118
PRIOR FILING DATE: 2000-09-15
PRIOR FILING DATE: 2000-09-15
PRIOR FILING DATE: 2000-09-15
Sequence 37000, Application US/10767701
Publication No. US20040172684A1
GENERAL INFORMATION:
APPLICANT: Kovalic, David K.
APPLICANT: Chou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
FILE REFERENCE: 38-21(53535)8
CURRENT APPLICATION NUMBER: US/10/767,701
CURRENT FILING DATE: 2004-01-29
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Matches
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SEQ ID NO 39
LENGTH: 15
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 142
TYPE: PRT
ORGANISM: Zea mays
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tes 6; Conserv
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Pred. No.
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Mismatches
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US-10-276-774-2338
/ Sequence 2338, Application US/10276774
/ Publication No. US20040053245A1
/ GENERAL INFORMATION:
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LENGTH: 278
LENGTH: 278
TYPE: PRT
ORGANISM: Oryza sativa
PEATURE:
NAME/KEY: unsure
LOCATION: (1)..(278)
OTHER INFORMATION: unsur
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-437-963-113805, Application US/10437963; Sequence 113805, Application US/10437963; Publication No. US20040123343A1; GENERAL INFORMATION:
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Best Local Similarity
""" hes 6; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Clone ID: PAT_MRT4530_17558C.1.pep
US-10-437-963-113805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C13512_1.pep
US-10-767-701-37000
                                                                                                                                                                                                                                                                                                                      RESULT 8
APPLICANT: Hyseq, Inc.
APPLICANT: Hyseq, Inc.
US20040053245A1el Nucleic Acids and Polypeptides
TITLE OF INVENTION: NO. US20040053245A1el Nucleic Acids and Polypeptides
FILE REFERENCE: 21272-030
CURRENT APPLICATION NUMBER: US/10/276,774
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: 09/560,875
PRIOR APPLICATION NUMBER: 09/60,875
PRIOR APPLICATION NUMBER: 09/496,914
PRIOR APPLICATION NUMBER: 09/496,914
PRIOR FILING DATE: 2000-02-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement FILE REPERENCE; 38-21(53221)B CURRENT APPLICATION NUMBER: US/10/437,963 CURRENT FILING DATE: 2003-05-14 NUMBER OF SEQ ID NOS: 204966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 63128
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LENGTH: 195
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Sorghum bicolor FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
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Similarity 100.0%;
6; Conservative 0
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Barbazuk, Brad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Li, Ping
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 32; DB larity 100.0%; Pred. No. 82; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                unsure at all Xaa locations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 32; DB 16;
Pred. No. 1.2e+02;
; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 278;
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-2338
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US-10-437-963-117359
; Sequence 117359, Application US/10437963
; Publication No. US20040123343A1
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US-10-029-386-32140
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; SOFTWARE: Custom
; SEQ ID NO 2338
; LENGTH: 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 32140
LENGTH: 374
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Best Local Similarity
Matches 6; Conserv
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Best Local
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                                                           APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                             APPLICANT: La Rosa, Thomas J. APPLICANT: Kovalic, David K. APPLICANT: Zhou, Yihus APPLICANT: Zhou, Yihus APPLICANT: Cao, Yongwei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED :
TITLE OF INVENTION: EXPRESSION ANALYSIS :
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
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APPLICANT: Rank, David R.
APPLICANT: Hanzel, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R INFORMATION:
R INFORMATION:
R INFORMATION:
R INFORMATION:
CANT: Li, Ping
OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules
OF INVENTION: Plants and Uses Thereof for Plant Improvement
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION:
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                                                                                                                                          Cao, Yon
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                                                                                        Barbazuk, Brad
                                                                                                                       Boukharov, Andrey A.
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ilarity 100.0%;
Conservative 0
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ON: EXPRESSED IN PLACENTA, SIGNAL = 1.7
ON: EXPRESSED IN BRAIN, SIGNAL = 1.7
ION: EXPRESSED IN HEAL, SIGNAL = 1.1
ION: EXPRESSED IN HELA, SIGNAL = 1.1
ION: EXPRESSED IN LUNG, SIGNAL = 1.9
ION: EXPRESSED IN HEART, SIGNAL = 1.7
ION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
IION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
IION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
IIION: EXPRESSED IN FETAL LIVER SIGNAL = 1.2
III
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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Pred. No. 1.5e+02;
; Mismatches 0;
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                                     Associated With
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Sequence 915, Application US/10389566
Publication No. US20040025202A1
GENERAL INFORMATION:
APPLICANT: Monsanto Technology, LLC
APPLICANT: Monsanto Technology, LLC
APPLICANT: Laurie, Cathy C
TITLE OF INVENTION: Nucleic Acid Molecules Associated with Oil in Plants
FILE REFERENCE: 38-77(5290)D
CURRENT APPLICATION NUMBER: US/10/389,566
CURRENT FILING DATE: 2003-03-31
PRIOR APPLICATION NUMBER: US 60/365,301
PRIOR APPLICATION NUMBER: US 60/355,301
PRIOR APPLICATION NUMBER: US 60/391,786
PRIOR FILING DATE: 2002-06-25
PRIOR FILING DATE: 2002-06-25
PRIOR FILING DATE: 2002-06-26
NUMBER OF SEQ ID NOS: 2459
SOFTWARE: PatentIn version 3.2
RESULT 12
US-10-099-895-1
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US-10-437-963-117359
                                                                                                                                    Query Match
Best Local Similarity
Matches 6; Conserv
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CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 117359
LENGTH: 459
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Best Local Similarity
                                                                                                                                                                                                                          NAME/KEY: misc feature LOCATION: (417)...(417) OTHER INFORMATION: Xaa
                                                                                                                                                                                                                                                                                              NAME/KEY: misc feature LOCATION: (400)...(400) OTHER INFORMATION: Xaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Triticum aestivum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Oryza sativa FEATURE:
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LOCATION: (27)..(28)
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LOCATION: (31)..(31)
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                                                                   361 HSRSLP 366
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Pred. No. 1.9e+02;
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Pred. No. 1.9e+02
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CURRENT APPLICATION NUMBER: US/10/741,600
CURRENT FILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 73997
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1633
LENGTH: 897
TYPE: PRT
ORGANISM: Homo sapiens
US-10-741-600-1633
                                                                                                                                                                                                        RESULT 14
US-10-741-600-1634
) Sequence 1634, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
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US-10-741-600-1633

US-10-741-600-1633, Application US/10741600

Sequence 1633, Application US/10741600

Publication No. US20050026169A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENERIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001499
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Best Local Similarity
Tatches 6; Conservi
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SEQ ID NO 1
LENGTH: 897
TYPE: PRT
ORGANISM: Homo sapiens
US-10-099-895-1
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CURRENT APPLICATION NUMBER: US/10/741,600
CURRENT FILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 73997
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1634
LENGTH: 897
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Matches 6; Conser
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                                                                                                                          APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF
FILE REFERENCE: CL001499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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APPLICANT: GUTHRIDGE, Mark A
APPLICANT: GUTHRIDGE, Mark A
IITLE OF INVENTION: A BINDING MOTIF OF A RECEPTOR
FILE REFERENCE: 3991/0X379
CURRENT APPLICATION NUMBER: US/10/099,895
CURRENT FILING DATE: 2002-03-14
PRIOR APPLICATION NUMBER: PCT/AU00/01118
PRIOR PILING DATE: 2000-09-15
NUMBER OF SEQ ID NOS: 47
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STOMSKI, Frank C
                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; ilarity 100.0%; Conservative 0;
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Pred. No. 3.6e+02;
; Mismatches 0;
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RESULT 15
US-10-741-600-1635
US-10-741-600-1635

Sequence 1635, Application US/10741600

Publication No. US20050026169A1

GENERAL IMFORMATION:
GENERAL IMFORMATION:
GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
PILE REFERENCE: CL001499

CUMRENT Application UNMBER: US/10/741,600

CURRENT Application UNMBER: US/10/741,600

CURRENT FILING DATE: 2003-12-22

NUMBER OF SEQ ID NOS: 73997

SEQ ID NO 1635

LENGTH: 903

TYPE: PRT
ORGANISM: Homo Bapiens

US-10-741-600-1635
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Search completed: March 12, 2005, 09:47:36 Job time: 137 secs
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## ALIGNMENTS

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RESULT 2  \$54504  S54504  N; Sternate names: hypothetical protein YP9367.10  C; Species: Saccharomyces cerevisiae  C; Date: 08-Jul-1995 #sequence_revision 19-Oct-1995 #text_change 09-Jul-2004  C; Accession: \$54504  R; Badcock, K.; Churcher, C.M.  submitted to the EMBL Data Library, May 1995  A; Reference number: \$54059  A; Recession: \$54504  A; Molecule type: DNA  A; Residues: 1-1121 <bad> A; Cross-references: UNIPROT:Q12734; EMBL:Z49274; NID:g809585; PID:g809595; MIPS:YPR030w</bad>	Query Match 100.0%; Score 32; DB 1; Length 897; Best Local Similarity 100.0%; Pred. No. 28; Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Qy 1 HSRSLP 6        Db 598 HSRSLP 603	A; Gene: CDB:C2728 A; Gene: Common beta chain; cytokine receptor b; Superfamily: cytokine IL-3/IL-5/GM-CSF receptor common beta chain; cytokine receptor b; C; Superfamily: cytokine spellcing; cytokine receptor; duplication; transmembrane protein c; L-16/Domain: signal sequence #status predicted <sig>F; L-16/Domain: signal sequence #status predicted <ait>F; L-443/Domain: cytokine receptor common beta chain #status predicted <ait>F; L-443/Domain: cytokine receptor homology <crs1>F; L-443/Domain: cytokine receptor homology <crs1>F; L-443/Domain: cytokine receptor homology <crs2>F; L-444-60/Domain: intracellular #status predicted <int></int></crs2></crs2></crs2></crs2></crs1></crs1></ait></ait></sig>	A;Molecule type: mRNA A;Residues: 1-897 <hay> A;Residues: 1-897 <hay> A;Cross-references: GB:M38275 C;Comment: The human high-affinity IL-3, IL-5, and GM-CSF receptors have ligand-specific C;Genetics:</hay></hay>	RESULT 1 A39255 Cytokine receptor common beta chain precursor - human Cytokine receptor experience number: A39255 A;Reference number: A39255; MUID:91088571; PMID:1702217 A;Accession: A39255

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A;Molecule type: mRNA
A;Residues: 1-1231 <KEL>
A;Roross-references: UNIPROT:P35569; EMBL:X69722; NID:g297913; PIDN:CAA49378.1; PID:g2979
A;Araki, E.; Haag III, B.L.; Kahn, C.R.
Biochim. Biophys. Acta 1221, 353-356, 1994
A;Title: Cloning of the mouse insulin receptor substrate-1 (IRS-1) gene and complete set A;Reference number: S43514; MUID:94220494; PMID:8167159
A;Accession: S43514
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C;Species: Mus musculus (house mouse)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 09-Jul-2004
C;Accession: S30185; S43514
R;Keller, S.R.; Aebersold, R.; Garner, C.W.; Lienhard, G.E.
Blochim. Biophys. Acta 1172, 323-326, 1993
A;Title: The insulin-elicited 160 kba phosphotyrosine protein in mouse adip
A;Reference number: S30185; MUID:93192326; PMID:8448209
                                                                                                                                                                                                                                                                           A;Residues:
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                                                                                                                                                    ;Residues: 1-1037,'AS',1038-1179,'H',1181-1231 <ARA>
;Cross-references: EMBL:L24563; NID:g407993; PIDN:AAA39335.1; PID:g407994
;Superfamily: insulin receptor substrate IRS-1; pleckstrin repeat homolog;
;11-113/Domain: pleckstrin repeat homology <PLK>
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A;Cross-references:
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;Residues: 1-279 <TAK>
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                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16R
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                                                                          DB 2;
1.1e+02;
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A/Gene: isr-1
C/Superfamily: insulin receptor substrate IRS-1; pleckstrin repeat ho C/Superfamily: insulin receptor substrate IRS-1; pleckstrin repeat ho C/Keywords: phosphoprotein
F;11-112/Domain: pleckstrin repeat homology <PLK>
F;1463,549,610,630,660,730,940,987,1010/Binding site: phosphate (Tyr)
                                                                                                                                                                                                                                         A;Residues: 1-1240 <TAO>
A;Cross-references: UNIPROT:P79773; GB:U43502; NID:g1685084;
A;Accession: PC4305
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-5 CTA2>
C;Comment: This protein acts as a docking protein and mediate
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C;Accession: JC5209; Pc4305
R;Taouls, M.; Taylor, S.I.; Reitman, M.
Gene 178; S1-55, 1996
A;Title: Cloning of the chicken insulin receptor substrate 1
A;Reference number: JC5209; MUID:97080546; PMID:8921891
A;Accession: JC5209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Status: preliminary; nucleic acid sequence A;Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Molecule type: protein
A;Residues: 44-51;173-178;223-243;489-506;635-646;871-882,'I',884,'X',886-888;932-936,'X
A;Note: the phosphotyrosine residue was not identified
C;Comment: This protein and the beta chain of the insulin receptor itself are the major
C;Comment: Phosphorylation of this protein in response to insulin is maximal at 30 secon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Superfamily: insulin receptor substrate IRS-1; pleckstrin repeat homology C;Keywords: phosphoprotein; signal transduction F;11-113/Domain: pleckstrin repeat homology <PLK>F;872-891/Region: glutamine-rich
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A;Rolecule type: mRNA
A;Residues: 1-1215 <SUN>
A;Residues: 1-1215 <SUN>
A;Residues: 1-1215 <SUN>
A;Residues: 1-1215 <SUN
A;Residues: 1-1215 <BUN
A;Cross-references: UNIPROT:P35570; EMBL:X58375; NID:956503; PIDN:CAA41264.1; PID:956504
A;Rothenberg, P.L.; Lane, W.S.; Karasik, A.; Backer, J.; White, M.; Kahn, C.R.
J. Biol. Chem. 266, 8302-8311, 1991
A;Title: Purification and partial sequence analysis of pp185, the major cellular substra
A;Reference number: A39811; MUID:91217066; PMID:2022647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    insulin receptor substrate 1 -
C;Species: Gallus gallus (chick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   insulin receptor substrate IRS-1 - rat
N;Alternate names: insulin receptor substrate pp185
C;Species: Rattus norvegicus (Norway rat)
C;Date: 13-Jan-1995 #sequence revision 13-Jan-1995 #text_change 09-Jul-2004
C;Accession: S16948; A39811
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Species: Gallus gallus (chicken)

Date: 20-Feb-1997 #sequence_revision 27-Feb-1997 #text_change 09-Jul-2004
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                               93.8%;
83.3%;
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83.3%;
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     Score 30; DB
Pred. No. 1.2e
1; Mismatches
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Pred. No. 1.2e+02;
1; Mismatches 0
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1.2e+02;
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                                                        Length 1240;
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C;Accession: AC2953
R;Wood, D.W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, erage, G.; Gillet, W.; Grant, C.; Guenthner, D.; Kutyavin, T.; Levy, R.; Li, N.; Karp, P.; Romero, P.; Zhang, S. Science 294, 2317-2323, 2001
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F;11:13/Domain: plecketrin repeat homology <PLK>
F;11:13/Domain: plecketrin repeat homology <PLK>
F;46,465,551,612,332,662,732,941,989,1012/Binding site: phosphate (Tyr) (covalent)
F;78,527,1100,1223/Binding site: phosphate (Ser) (covalent) (by cAMP-dependent kina F;161/Binding site: ATP (Lys) #status predicted
F;189,323,441,624,636,795,920,984,1084,1218/Binding site: phosphate (Ser) (covalent F;300,351,774/Binding site: phosphate (Thr) (covalent) (by protein kinase C) #statu
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A;Introns: #status absent
C;Superfamily: insulin receptor substrate IRS-1; pleckstrin repeat homology
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A; Residues: 1-134, 'G', 135-361, 'R', 363-383, 'R', 385-1242 < NIS>
A; Residues: 1-134, 'G', 135-361, 'NID: 9246465; PIDN: AAB21608.1; P.
A; Croser-references: GB: 585963; NID: 9246465; PIDN: AAB21608.1; P.
A; Experimental source: hepatocellular carinoma cell line FOCUS
R; Smith, L.K.; Bradshaw, M.; Croall, D.E.; Garner; C.W.
Biochem. Biophys. Res. Commun. 196, 767-772, 1993
A; Title: The insulin receptor substrate (IRS-1) is a PEST prot.
A; Reference number: PN0678; MUID: 94059102; PMID: 8240352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R;Nishiyama, M.; Wands, J.R.

Biochem. Biophys. Res. Commun. 183, 280-285, 1992

Biochem. Biophys. Res. Commun. 183, 280-285, 1992

A;Title: Cloning and increased expression of an insulin receptor A;Reference number: JS0670; MUID:92181456; PMID:1311924

A;Accession: JS0670
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A;Title: Human skeletal muscle insulin receptor substrate-1.
A;Reference number: I53160, MUID:93292738; PMID:8513971
A;Accession: I53160
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C;Date: 30-Jun-1992 #sequence revision 23-Aug-1996 #text_change 09-Jul-2004
C;Accession: I53160; JS0670; PN0678
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                                                                                                                                                     hypothetical protein Atu3225 [imported] - Agrobact
C;Species: Agrobacterium tumefaciens
C;Date: 11-Jan-2002 #sequence_revision 11-Jan-2002
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A;Residues: 1-1242 <RES>
A;Cross-references: UNIPROT:P35568; GB:S62539; NID:g386256; PIDN:AAB27175.1; PID:g38625
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Pred. No.
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C; Superfamily: 1-arabinose transport system
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A; Residues: 1-326 < KUR>
                                                                                                                                                                                                                                          A; Reference number: A; Accession: AC2953
                                                                                                                           A; Map position:
                                                                                                                                         A;Gene: Atu3225
                                                                                                                                                                                                                             A;Status: preliminary
                                                                                                                                                                                                                                                                     A;Title:
                                                                                                                                                                                                                                                                                                 A; Authors: Yoo,
                                                      Query Match
Best Local Similarity
Matches 5; Conserv
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HSRNLP
                          HSRSLP 6
                                                                                                                           linear chromosome
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                                                        Conservative
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                                                                                                                                                                                                                                                                                                  Y.; Biddle,
                                                                   90.6%;
                                                      Score 29; DB Pred. No. 50; 1; Mismatches
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                                                        Gaps
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hypothetical ABC transporter permease protein yjfF AGR\_L\_3179 [imported] - Agrobacterium C;Species: Agrobacterium tumefaciens C;Date: 22-Oct-2001 #text\_change 09-Jul-2004 B98330

A;Title: Genome Sequence of the Plant Pathogen and Biotechnology Agent Agrobacterium A;Reference number: A97359; MUID:21608551; PMID:11743194 A;Accession: B98330 C;Accession: 898330 R;Goodner, B.; Hinkle, G.; G; A.; Liu, F.; Wollam, C.; Al: Science 294, 2323-2328, 2001 G.; Gattung, S.; Miller, N.; Blanchard, M.; Qurol C.; Allinger, M.; Doughty, D.; Scott, C.; Lappas, M.; Qurollo, ; Lappas, C.; B.; Goldman, Markelz, B.,

A; Molecule type: DNA A; Residues: 1-326 < KUR> A; Status: preliminary

;Cross-references: Gene: AGR\_L\_3179 UNIPROT: QBUAZ2; GB:AE007870; PIDN: AAK90164.1; PID:g15160165; GSPDB:

Query Match Best Local S Matches 5 Similarity 5; Conserv Conservative 90.6%; Score 29; Pred. No. Length

permease araH

Mismatches

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RESULT G69122 10

conserved hypothetical protein MTH1915 - Methanobacterium thermoautotrophicum C;Specias: Methanobacterium thermoautotrophicum C;Date: 05-Dec-1997 #sequence\_revision 05-Dec-1997 #text\_change 09-Jul-2004 C;Accession: G69122 (strain

R;Smith, D.R.; Doucette-Stamm, L.A.; Deloughery, C.; Lee, H.; Dubois, J.; Aldredge, Qiu, D.; Spadafora, R.; Vicaire, R.; Wang, Y.; Wierzbowski, J.; Gibson, R.; Jiwani ki, S.; Church, G.M.; Daniels, C.J.; Mao, J.; Rice, P.; Noelling, J.; Reeve, J.N. J. Bacteriol. 179, 7135-7155, 1997
A;Title: Complete genome sequence of Methanobacterium thermoautotrophicum Delta H: f A;Reference number: A69000; MUID:98037514; PMID:9371463
A;Accession: G69122 son, R.; Jiwani, Reeve, J.N. ... ... z

A; Molecule type: DNA A; Residues: 1-337 < MTH> A; Status: preliminary; nucleic acid sequence not shown; translation

GB:AE000942;

GB:AE000666;

NID: g2623039; PIDN: AAB863'

A;Cross-references: UNIPROT:027937; A;Experimental source: strain Delta C;Genetics:

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A;Gene: lin1475
C;Superfamily: i
                                                                                                                                                                                                                                      D; Joneš, L.M.; Karst, U.
Science 294, 849-852, 2001
A;Authors: Kreft, J; Kuhn, M.; Kunst, F.; Kurapkat, G.; Madueno, E.; Maitournam, A.; Maok, C.; Schlueter, T.; Simoes, N.; Tierrez, A.; Vazquez-Boland, J.A.; Voss, H.; Wehland, A;Title: Comparative genomics of Listeria species.
A;Reference number: AB1077; MUID:21537279; PMID:11679669
A;Accession: AB1617
                                                                                                                                  A;Cross-references: UNIPROT:Q92BR9; GB:AL592022; PIDN:CAC96706.1; PID:g16413948; GSPDB:
A;Experimental source: strain Clip11262
                                                                                                                                                                               A; Molecule type: DNA
A; Residues: 1-403 <GLA>
                                                                                                                                                                                                                                                                                                                                                                                                     aspartokinase I (alpha and beta chains) homolog lin1475 [imported] - Listeria C;Species: Listeria innocua C;Date: 27-Nov-2001 #sequence_revision 27-Nov-2001 #text_change 16-Aug-2004 C;Accession: AB1617
                                                                                                                                                                                                                                                                                                                                                                R;Glaser, P.; Frangeul, L.; Buchrieser, C.; Amend, A.; Baquero, F.; Berche, P.; Dominguez-Bernal, G.; Duchaud, E.; Durand, L.; Dussurget, O.; Entian, K.D.;
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R;Glaser, P.; Frangeul, L.; Buchrieser, C.; Amend, A.; Baquero, F.; Berche, P.; Dominguez-Bernal, G.; Duchaud, E.; Durand, L.; Dussurget, O.; Entian, K.D.; F. D.; Jones, L.M.; Karst, U. Science 294, 849-852, 2001

A;Authors: Kreft, J.; Kuhn, M.; Kunst, F.; Kurapkat, G.; Madueno, E.; Maitournam ok, C.; Schlueter, T.; Simoes, N.; Tierrez, A.; Vazquez-Boland, J.A.; Voss, H.; A;Title: Comparative genomics of Listeria species.

A;Reference number: AB1077; MUID:21537279; PMID:11679669

A;Accession: AD1254
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A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-403 <GLA>
A;Residues: 1-403 <GLA>
A;Cross-references: UNIPROT:Q8Y765; GB:NC_003210; PIDN:CAC99514.1; PID:g16410865;
A;Experimental source: strain EGD-e
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A;Start codon: G
C;Superfamily: M
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|Date: 27-Nov-2001 #sequence_revision 27-Nov-2001 #text_change 16-Aug-2004
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                        Score 29; DB
Pred. No. 62;
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Pred. No.
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Fsihi, H.
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R;anonymous, The C. elegans Sequencing Consortium.
Science 282, 2012-2018, 1998
A;Title: Genome sequence of the nematode C. elegans: a platform for investigating biolog A;Reference number: A75000; MUID:99069613; PMID:9851916
A;Note: see websites genome.wustl.edu/gsc/C_elegans/ and www_sanger.ac.uk/Projects/C_ele A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and A;Accession: F88618
A;Science preliminary
A;Status: preliminary
                                                                                                                                                                                                                   A;Cross-references: UNIPROT:Q9U345; GB:chr_III; C;Genetics:
                                                                                                                                                                                                                                                         A; Molecule type: DNA
A; Residues: 1-515 <STO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein W06F12.2 [imported] - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
C;Accession: F88618
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C; Genetics:
A; Gene: rad2
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A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-469 <0ST>
A;Cross-references: UNIPROT:P36592; EMBL:X72220; NID:g397582; PIDN:CAA51021.1; PID:g3975
R;Pearson, D.; Churcher, C.M.; Barrell, B.G.; Rajandream, M.A.; Walsh, S.V.
A;Reference number: Z21801
A;Recession: T38589
                                                                                                                                                                     A; Map position:
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A;Residues: 1-33,'T',35-83,'D',85-469 <PE2>
A;Cross-references: EMBL:267961; NID:91065887; PIDN:CAA91896.1; PID:91065897; GSPDB:GN00
A;Experimental source: strain 972h-; cosmid c30D11
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RESULT 15
E97813
WASP, N-WASP, MENA proteins homolog [imported] - Rickettsia conorii (strain Malish 7)
C;Specises: Rickettsia conorii
C;Specises: Rickettsia conorii
C;Date: 30-Sep_2001 #sequence_revision 30-Sep_2001 #text_change 09-Jul-2004
C;Accession: E97813
R;Ogata, H.; Audic, S.; Renesto-Audiffren, P.; Fournier, P.E.; Barbe, V.; Samson, D.; Rd
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AGoffard N., Frangeul L., Aigle M., Anthouard V., Babour A., Barbe V.,
A Barnay S., Blanchin S., Beckerich J.M., Beyne E., Bleykasten C.,
A Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A.,
Bespons L., Febbre E., Fairhead C., Ferry-Dumazet H., Groppi A.,
A Hantraye F., Hennequin C., Jauniaux N., Joyet P., Kachouri R.,
A Kerrest A., Koszul R., Lemaire M., Lesur I., Ma L., Muller H.,
A Nicaud J.M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
Pellenz S., Potier S., Richard G.F., Straub M. L., Suleau A.,
Swennene D., Tekaia F., Wesolowski-Louvel M., Westhof E., Wirth B.,
A Zeniou-Meyer M., Zivanovic I., Bolotin-Fukuhara M., Thierry A.,
Mincker P., Souclet J.L.,
Mincher C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J.,
Mincker P., Souclet J.L.,
Mincher C., Souclet J.L.,
Mincher C.,
Mincher C., Souclet J.L.,
Mincher C., Souclet J.L.,
Mincher C.,
Mincher C., Souclet J.L.,
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Minch
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Best Local
                                                                                                                                                    Genoscope;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
EMBL, CR382137; CAG88275.1; -.
InterPro; IPR006973; CWf Cwc 15.
Pfam; PF04889; CWf Cwc 15; 1.
SEQUENCE 226 AA; 26224 MW; E0F3399D576D3DC9 CRC64;
                                                                                                                                                                                                                                                                                                                            STRAIN=CBS767;
                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORFNames=DEHA0E17259g;
Debaryomyces hansenii CBS767.
Eukaryota; Fungi; Ascomycota; Saccharon
Saccharomycetales; Saccharomycetaceae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Similar to CA3513 | IPF11246 Candida albicans IPF11246 unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ote T., Nakagawa S., Senoh A., Mizuguchi H., Inagaki H., Sugiyama T Irie R., Oteuki T., Sato H., Wakamateu A., Ishii S., Yamamoto J., Isono Y., Kawai-Hio Y., Saito K., Nishikawa T., Kimura K., Yamashita H., Matsuo K., Nakamura Y., Sekine M., Kikuchi H., Kanda Wagateuma M., Murakawa K., Kanehori K., Takahashi-Fujii A., Oshima Sugiyama A., Kawakami B., Suzuki Y., Sugano S., Nagahari K., Jagai R., Isogai T., Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                  'Genome evolution in yeasts.";
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25
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                                                                                        Similarity 6; Conserv
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HSRSLP
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                                                                                      Conservative
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                                                                                                          100.0%;
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                                                                               Score 32; DB 2;
Pred. No. 37;
; Mismatches 0
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ED8C12B80E6D5579 CRC64;
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AC Q9
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RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altechul S.F. Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Brownstein M.J., Ugdin T.B., Toshiyuki S., Cararinci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Richards S., Walsha D.K., Shevchenko Y., Bouffard G.G.,
RA Rahby J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Rahiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local
                                                                                                                                                                                                                         Q9H671 PRELIMINARY; PRT; 291 AA. (29H671; Q9H671; Created) 01-MAR-2001 (TrEMBLrel. 16, Created) 01-MAR-2001 (TrEMBLrel. 16, Last sequence update) 10-OCT-2002 (TrEMBLrel. 22, Last annotation update) Hypothetical protein FLJ22555.
SEQUENCE FROM N.A.
TISSUB-Human small intestine;
Watanabe K., Kumagai A., Itakuu
Suzuki Y., Obayashi M., Nishi 7
Nakamura Y., Isogai T., Sugano
                                                                                                                                                                                        Eukaryota; Metazoa;
Mammalia; Eutheria;
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Hypothetical
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Submitted (DEC
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Q8WWC4;
01-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jones S.J., Marra M.A.;
"Generation and initial analysis
and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:
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Mammalia; Eutheria;
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01-OCT-2002
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291 AA; 3
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Primates;
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Primates;
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rel. 20, La
rel. 22, La
1 FLJ22555.
Itakura S., Yamazaki M., Tashi
Vishi T., Shibahara T., Tanaka
Yugano S.,
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Catarrhini; Hominidae;
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                97D958B2AC9C1163 CRC64;
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                                                  Tashiro H.,
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R GO; GO:0019684; P:photosynthesis, light reaction; IEA.
R InterPro; IPR005867; Photo_DI.
R InterPro; IPR005867; Photo_DI.
R InterPro; IPR000484; Photo_RC.
R Pfam; PF00124; Photo_RC; 1.
R PRINTS; PR001256; REACTIVENTRE.
R PRINTS; PR00256; REACTIVENTRE.
R PROSITE; PS000515; Photo_RC; 1.
R PROSITE; PS000515; Photo_RC; 1.
R PROSITE; PS000515; Photo_RC; 1.
D Q6Z8C7 PRELIMINARY; PRT; 425 AA.
C Q6Z8C7;
C Q6Z8C7;
C Q6Z8C7;
C Q6Z8C7;
D5-JUL-2004 (TrEMBLrel. 27, Created)
T 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
T 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
PUT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
PUT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
PUT 05-JUL-2004 (TrEMBLrel. 27, Last sequence wak.
Name=P0459801.42-2; Synonyms=GJI11.E07.13-2;
NAME=P0459801.42-2; Synonyms=GJI11.E07.13-2;
NCTYZA sativa (Japonica cultivar-group).
C Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
C Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Poaceae;
C Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
C Ehrhartoideae; Oryzeae; Oryza.
NCBI TaxID=39947;
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Best Local S
Matches 6
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EMBL; AKO26208; E
SEQUENCE 291 AJ
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Q8GZB3;
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SEQUENCE
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Eukaryota; Viridiplantae; Stro
Spermatophyta; Magnollophyta;
NCBI_TaxID=211604;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-MAR-2003 (TrEMBLrel.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=22928317; PubMed=12966044;
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6; Conservative 0
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331 AA;
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35965 MW;
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yta; Liliopsida; Velloziaceae; Xerophyta.
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Last sequence update)
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              04EA58B0C361830C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CBC6A00364E67D2D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         331 AA
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RL Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.

RL SIMILARITY: Belongs to the Ser/Thr protein kinase family.

EMBL; AP004778; BAD07521.1; -.

DR EMBL; AP003994; BAD07521.1; -.

DR HSSP; P24941; IKEB.

DR GO; GO:0004674; F:protein serine/threonine kinase activity; IEA.

DR GO; GO:0004711; F:protein terine kinase activity; IEA.

DR GO; GO:0004712; F:protein terine kinase activity; IEA.

DR GO; GO:0004713; F:protein amino acid phosphorylation; IEA.

DR GO; GO:0004648; F:protein amino acid phosphorylation; IEA.

DR GO; GO:000468; F:protein amino acid phosphorylation; IEA.

DR InterPro; IPR00719; Frot kinase.

DR InterPro; IPR00719; Frot kinase.

DR InterPro; IPR001245; Tyr pkinase.

DR InterPro; IPR001245; Tyr pkinase.

DR Pfam; PF00069; Pkinase; I.

DR PROSITE; PS001000; Prot kinase; 1.

DR PROSITE; SM00220; S. TKC; 1.

DR RROSITE; PS001018; PROTEIN KINASE DOM; 1.

DR PROSITE; PS001018; PROTEIN KINASE ST; 1.

DR PROSITE; PS00108; PS0018; PS
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Best Local S
Matches 6
A Sasaki T., Matsumoto T., Yamamoto K.;
Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.
C --- SIMILARITY: Belongs to the Ser/Thr protein kinase famil:
R EMBL; AP004778; BAD07891.1; --
R EMBL; AP003994; BAD07520.1; --
R EMSP; P24941; 1B38.
GO; GO:0005524; F:ATP binding; IEA.
GO; GO:0004674; F:protein serine/threonine kinase activity;
R GO; GO:000473; F:protein serine/threonine kinase activity; IEA.
GO; GO:0004713; F:protein-tyrosine kinase activity; IEA.
GO; GO:000470; F:transferase activity; IEA.
GO; GO:0006468; P:protein-tyrosine kinase activity; IEA.
R GO; GO:006468; P:protein-tyrosine kinase activity; IEA.
R GO; GO:006468; P:protein-tyrosine kinase.
R InterPro; IPR0100719; Prot kinase.
R InterPro; IPR0100719; Prot kinase.
R InterPro; IPR0102290; Ser_thr_pkinase.
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Name=P0459801.42-1; Synonyms=C01111 E07.13-1;
Oryza sativa (japonica cultivar-group)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeáe; Oryza.
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Q6ZBCB3
Q5ZBCB3
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Sasaki T., Matsumoto
Submitted (FEB-2002)
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Conservative 0; Mismatches
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                                                                                                                                                             phosphorylation; IEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B
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                                                                                                                                                                                                                                                                                                                      activity;
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Q9586
Q9586
AC Q9586
AC Q9586
DT 01-DE
DT 01-MA
DE MACK
GN Name=
OS Ceratt
OG Chlor
OC Eukar
OC Sperm
OX NCBI_
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Best Local S
Matches 6
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Best Local S
Matches 6
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Q95B60;
01-DEC-2001 (TrEMBLrel. 19, C
01-DEC-2001 (TrEMBLrel. 19, L,
01-MAR-2004 (TrEMBLrel. 26, L,
Matk (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chloroplast.

Chloroplast.

Sukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Cycadophyta; Cycadales; Zamiaceae; Ceratozamia.

NCBI_TaxID=171009;
                               Name=matK;
Ceratozamia hildae
                                                                                                                                                                                                                                                                                                                                                                           Q95B59;
01-DEC-2001 (TrEMBLrel. 19,
01-DEC-2001 (TrEMBLrel. 19,
01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                   Chloroplast.
Eukaryota; Viridiplantae; Streptophyta;
Spermatophyta; Cycadophyta; Cycadales; (
NCBI_TaxID=13365;
                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                    Bowenia serrulata (Byfield cycad).
                                                                                                                                                                                                                                                                                                                                                                     MatK (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                              Q95B59
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InterPro; IPR001245; Ty
Pfam; PF00069; Pkinase;
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                                                                                                                                                                  6; Conserv
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                                                                                                                                                  HSRSLP 6
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                                                                                                                                                                100.0%; ilarity 100.0%; Conservative 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; ilarity 100.0%; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
                                (Bamboo
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Tyr_pkinase.
                                                       , Created)
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Last anno
                               cycad)
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Last sequence update)
Last annotation update)
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Pred. No. 80;
0; Mismatches
                                                                                         PRT;
                                                                                                                                                                         Score 32; DB
Pred. No. 82;
                                                                                                                                                                                                 585470EC737B6360 CRC64;
                                                        annotation update)
                                                                sequence update)
                                                                                         466
                                                                                                                                                                                                                                                                                                                                                                                                             466
                                                                                                                                                                                                                                                                                                                          ; Embryophyta; Tracheophyta;
Cycadaceae; Bowenia.
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                                                                                                                                                                                 2;
                                                                                                                                                                                 Length 466;
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RESULT 12
Q95864
ID Q9586
AC Q9586
DT 01-DE
DT 01-DE
DT 01-MATK
GN Name=
OS Macro
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Q95B63
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Best Local S
Matches 6
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Best Local
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SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
Zhang S., Wang D., Yu X.;
Zhang S., Wang D., Yu X.;
Submitted (AUG-2001) to the EMBL/GenBai
EMBL; AF410172; AAL10203.1; -.
GO; GO:0009507; C:chloroplast; IEA.
GO; GO:0008380; P:RNA splicing; IEA.
                                                                                             Q95B64;
Q95B64;
01-DEC-2001
01-DEC-2001
01-MAR-2004
Macrozamia dyeri
                                                          MatK (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Zhang S., Wang D., Yu X.;
Submittled (AUG-2001) to the EMBL/GenB
EMBL; AF410169; AR110200.1; -.
GO; GO:0009507; C:chloroplast; IEA.
GO; GO:0009507; C:chloroplast; IEA.
InterPro; IPR000442; Intron maturse2.
InterPro; IPR002866; MatK_N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q95B63;
01-DEC-2001 (TrEMBLrel. 19,
01-DEC-2001 (TrEMBLrel. 19,
01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NON TER
                                  Name=matK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Chloroplast.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Spermatophyta; Cyc
NCBI_TaxID=171018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Viridiplantae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Encephalartos horridus (Ferocious blue cycad)
Chloroplast.
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InterPro; IPR002866; MatK N.
Pfam; PF01348; Intron_maturas2; 1.
Pfam; PF01824; MatK_N; 1.
Chloroplast.
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6; Conserva
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(TrEMBLrel.
(TrEMBLrel.
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466 AA;
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                                                                                                                                                                                                                                 PRELIMINARY;
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55504 MW;
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55603
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19,
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a; Cycadales; ;
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                                                                                             Created)
Last sequence update)
Last annotation updat
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Last sequence update)
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Pred. No. 82;
D; Mismatches
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82;
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RESULT
OPERAT
OP
  MATK_CERME
ID MATK_CERME
AC Q8MEY4;
DT 10-OCT-2003
DT 10-OCT-2003
DT 05-JUL-2004
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Best Local S
Matches
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Best Local
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Q95865;
01-DEC-2001
01-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Zhang S., Wang D., Yu X.;
Submitted (AUG-2001) to the EMBL/GenE
EMBL; AF410168; AAL10199.1; -.
GO; GO:0009507; C:chloroplast; IEA.
GO; GO:0008306; P:RNA splicing; IEA.
InterPro; IPR002442; Intron maturee2.
InterPro; IPR002866; MatK_N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Zhang S., Wang D., Yu X.;
Submitted (AUG-2001) to the EMBL/Gen
EMBL; AF410167; AAL10198.1; -.
GO; GO:0009507; C:chloroplast; IEA.
GO; GO:0008380; P:RNA splicing; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Name=matK;
Lepidozamia peroffskyana
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01-DEC-2001 (TrembLrel.
01-MAR-2004 (TrembLrel.
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                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                              Chloroplast.
                                                                                                                                                                                                                                                                                                                                                                                                             InterPro; IPR000442; Intron maturse2.
InterPro; IPR002866; MatK N.
Pfam; PF01348; Intron maturas2; 1.
Pfam; PF01824; MatK N; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Spermatophyta; Cycadophyta;
NCBI_TaxID=133430;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Viridiplantae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chloroplast.
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Pfam; PF01824; MatK_N; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Spermatophyta; Cyc
NCBI_TaxID=171019;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota, Viridiplantae, Streptophyta,
Spermatophyta, Cycadophyta, Cycadales, 2
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(Rel.
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    42,
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55286 MW;
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55286 MW;
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                                                                                                                                                                                                                                                                       Score 32; DB Pred. No. 82; 0; Mismatches
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                      E1C34F9767A438F0 CRC64;
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82;
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RESULT 15
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Best Local
Query Match
                                                                        Chaw S.-M., Hu S.-H.;
Submitted (JUN-2000) to the EMBL/GenBar Submitted (JUN-2000) to the EMBL/GenBar EMBL, ARZ19802, AAK69125.1;
GO; GO:0009507; C:chloroplast; IEA.
GO; GO:0009508; P:RNA splicing; IEA.
InterPro; IPR000442; Intron_maturse2.
InterPro; IPR002866; MatK_N.
Pfam; PF01824; MatK_N.; 1.
Pfam; PF01824; MatK_N.; 1.
Chloroplast.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q8MEX6;
01-OCT-2002
01-OCT-2002
01-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Maturase K
Name=matK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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Chloroplast.
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Euearyota; Cycadophyta; Cycadales; Zamiaceae; Ceratozamia.
Spermatophyta; Cycadophyta; Cycadales; Zamiaceae; Ceratozamia.
                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Cycadophyta; Cycadales; Zamiaceae; Macrozamia.
NCBI_TaxID=133431;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR000442; Intron_maturse2.
InterPro; IPR002866; MatK_N.
Pfam; PP01348; Intron_maturas2; 1.
Pfam; PP01824; MatK_N; 1.
Chloroplast; mRNA processing.
SEQUENCE 499 AA; 59648 MW; 2127CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Chloroplast matK sequence data reconfirm the monophyly of extant gymnosperms and the coniferophytic origin of Gnetales."; Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
                                                     SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Macrozamia moorei.
Chloroplast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Name≃matK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Maturase
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on it
                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chaw S .- M. , Hu S .- H. ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM
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SIMILARITY: Belongs to the intron maturase family 2. Matk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    subfamily.
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(TrEMBLrel.
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Last sequence update)
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Pred. No. 88;
0; Mismatches
     Score 32;
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                                                     E3B7321EE392CCEB
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6 outstation -
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			Search completed: March 12, 2005, 09:34:50 Job time : 178 secs	Oy 1 HSRSLP 6        Db 232 HSRSLP 237	Best Local Similarity 100.0%; Pred. No. 88; Matches 6; Conservative 0; Mismatches
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